

PERMIT APPLICATION: NRS #02.427

APPLICANT: Michael and Lisa Hughes
527 Grassy Valley Road
Whitesburg, TN 37891
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LOCATION: Unnamed Tributary to Cloud Creek
Hawkins County, Tennessee

WATERSHED DESCRIPTION: The Cloud Creek watershed consists of primarily forested and agricultural land. The unnamed tributary is a perennial first order headwater stream with a gravel and bedrock bottom substrate and stable non-eroding banks. The stream channel has an average width of approximately two to four feet and the water depth ranges from approximately three to six inches.

PROJECT DESCRIPTION: The applicant proposes to construct an earthen dam approximately 100 feet long with an average height of 9 feet. The dam will have 3:1 side slopes and a 10 feet wide top and 50 feet wide base. This will impound an area approximately 100 feet wide and 200 feet long. After construction, the slopes will then be stabilized by either seeding with native grass or sod and mulch. The impoundments discharge will be conveyed using a 4-inch schedule 40 PVC pipe installed as a trickle tube. This pipe will be installed 6 inches below the emergency spillway (Figure 2). The project will be staged in order to complete the approximately 7,407 cubic yards of excavation in the dry. Standard erosion controls will be used to prevent sediments from entering flowing waters. When the project is completed, all disturbed areas will be stabilized.

PERMIT COORDINATOR: Eric Chance

USGS TOPOGRAPHIC QUADRANGLE: Russellville, TN (171-SW) (Figure 1)

Figure 1.



